

2019-20
Girls Who Code
& Idaho Commission for Libraries
present

GIRLS WHO CODE CLUBS OVERVIEW

AGENDA

→ Introduction from Valerie Tomici

Email: valerie@girlswhocode.com

→ The Movement For Gender Equity

→ Girls Who Code Clubs

Our Educational Philosophy

3-5th and 6-12th Grade Clubs

Program Logistics & Support

→ Our Impact

The Pipeline

GWC and Idaho Commission for Libraries

→ Girls Who Code Clubs in Idaho

Q&A with Sherry Scheline, Donnelly Public Library





The Movement for Gender Equity

Today alone, there are...

500,000 open computing jobs in the U.S.

100K average salary

91% located outside of Silicon Valley

67% in non-tech fields

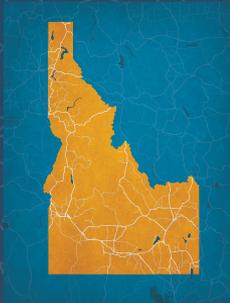
Not everyone is included in this opportunity...

ONLY 23% tech employees
are women

compared to **37%** in 1995

ONLY 19% students who receive a degree in
computing are women

ONLY 2% are women of color



Computer Science in Idaho

1,021

open computing jobs
in Idaho in 2017

ONLY
435
CS Graduates
In Idaho in 2017

ONLY
16%
were female.

**OUR
MISSION**

“Girls Who Code works to inspire, educate, and equip girls with the computing skills needed to pursue 21st century opportunities.”



**OUR
VISION**

“Our vision is to reach gender parity in computing and technology sectors.”

Girls Who Code serves all girls, especially those who:

- Are **underrepresented** in computer science and technology fields in terms of race, creed or background
- Have **little to no access or exposure** to computer science education in school
- Are **Free and Reduced Lunch** eligible
- Identify as female **regardless of gender assignment** at birth or legal recognition



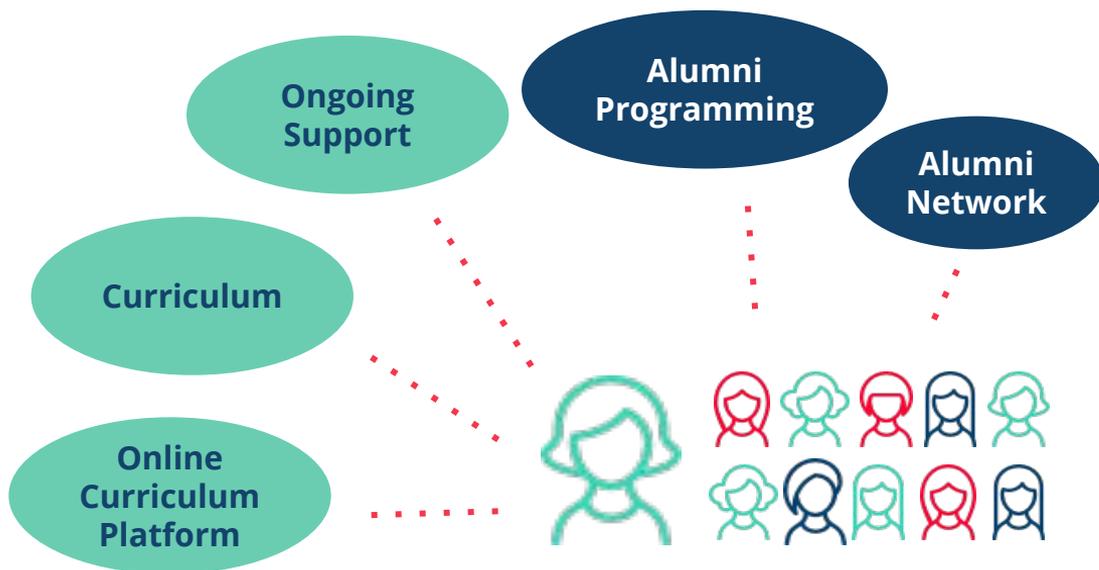
**For our Girls Who Code Club program, we welcome students of all genders to join!*



Girls Who Code Clubs

GIRLS WHO CODE CLUBS OVERVIEW

Clubs are FREE after-school programs for 3-12th grade girls to join our sisterhood of supportive peers and role models and use computer science to change the world.

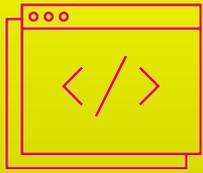


Clubs are led by **Facilitators**, who can be teachers, librarians, parents, or volunteers from any background or field.

No computer science experience needed!

Learn to code alongside their Club members with our comprehensive resources and support.

Educational Philosophy



**MORE THAN
CODE**



SISTERHOOD



**REAL-WORLD
RELEVANCE
& IMPACT**

PROGRAM LOGISTICS BY AGE GROUP

Our Club programs differentiated by age group feature the following:

3-5TH GRADE CLUBS

Time & Logistics:

- 5+ sessions
- ~45-60 min per session

Skill Level:

- Beginner

Curriculum Features:

- Book Club Model
- Chapter Guides for non-fiction and fiction series
- Online or Unplugged Options

6-12TH GRADE CLUBS

Time & Logistics:

- 10+ sessions
- ~1-2 hours per session

Skill Level:

- Beginner, Intermediate, Advanced

Curriculum Features:

- Girls Who Code Project Focus
- Project-based learning
- 120+ hours of Curricula
- Beginner to Advanced Self-Guided Tutorials
- Plug and Play Model - **FLEXIBLE!**

6-12TH GRADE CLUB CURRICULUM FOCUS



SISTERHOOD

Build Community

Alumni Network & Programming Access



MORE THAN CODE

Core4 Concepts: Loops, Variables, Conditionals, Functions

21st Century Skills: Real-World Relevance, Public Speaking, Project Management, Bravery, Resilience, Innovation, Creativity



IMPACT

Passion + Skills = **GWC Project**



thinkable



Swift



6-12TH GRADE CLUB LESSON PLANS



Pick the Club Plan that's right for you based on the number of sessions you plan to hold!

Club Plans

Agenda



Standard Club Plan

If you have 15 meetings or more, use this as your home base to help you create Girls Who Code Project!

Agenda



Mini Club Plan

If you have about 10 meetings, use this as your home base to help you create Girls Who Code Project!

Agenda



Design Your Own Club Plan

Use this template to plan your own path from ideation to creation.

Standard Club Plan

Use the activities we recommend below to create your Girls Who Code Project with your Club!

If you have more time during any one meeting...

- Give girls more time in the "Learn" or "Build" sections of each agenda.

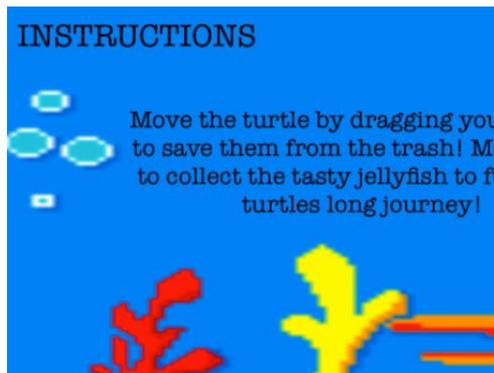
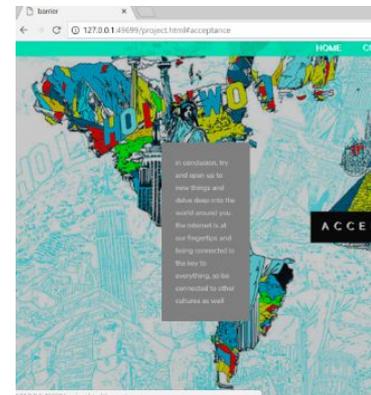
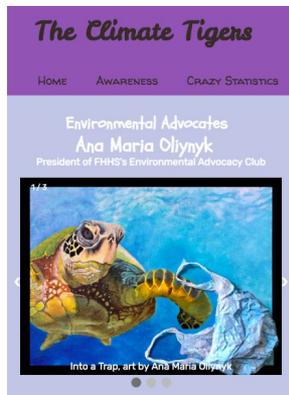
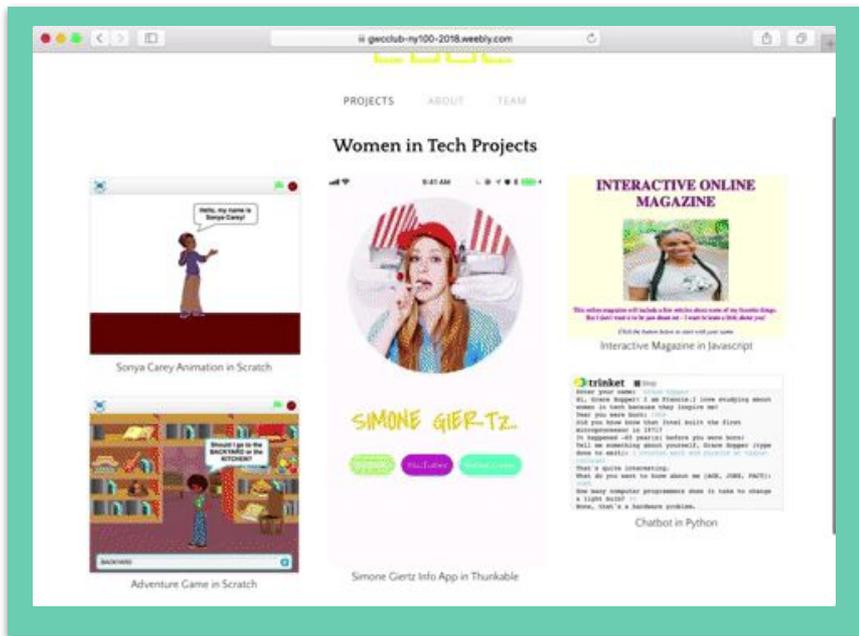
If you have more than 15 meetings..

- Try out more of our **Build** activities to give girls more time to test and improve their project - just like real computer scientists!

<p>Meeting 1 Welcome</p> 	<p>Goal: Welcome everyone to your Club and explore the cool things you might build.</p> <p>Agenda:</p> <ol style="list-style-type: none"> 1. Celebrate - Welcome to GWCP 2. Spotlight: Miral Kotb 3. Learn - Intro to Tutorials 4. Standups 	<p>Meeting 2 Find a Focus</p> 	<p>Goal: Choose a theme for your GWC Project, and begin to get the skills you need to build it.</p> <p>Agenda:</p> <ol style="list-style-type: none"> 1. Spotlight: Grace Hopper 2. Plan - Find Your Focus 3. Learn - Work on Tutorials 4. Standups
<p>Meeting 3 Research</p> 	<p>Goal: Learn a little more about your Club theme and apply what you learn to your GWC Project.</p> <p>Agenda:</p> <ol style="list-style-type: none"> 1. Spotlight: Haiyan Zhang 2. Plan - Research 3. Learn - Work on Tutorials 4. Standups 	<p>Meeting 4 Set Your Vision</p> 	<p>Goal: Make a list of all of the ideas you'd love to include in your GWC Project.</p> <p>Agenda:</p> <ol style="list-style-type: none"> 1. Spotlight: Simone Giertz 2. Plan - Set Your Vision 3. Learn - Work on Tutorials 4. Standups

6-12TH GRADE GIRLS WHO CODE PROJECTS

A **GWC Project** is a collection of work centered around a topic that our students care about.



3-5TH GRADE CLUB CURRICULUM FOCUS



GIRLS WHO CODE BOOKS



OR



BRAVERY & RESILIENCE

Teaching girls to be brave and resilient early in their lives has the potential for **enormous impact on how they approach challenges**—and whether they stick with coding in the years to come.



COMPUTER SCIENCE



Chapter Guides

Core4 Concepts

History of Code



3-5TH GRADE CLUB LESSON PLANS

5+ MIN

Sisterhood Activity
(optional)

15+ MIN

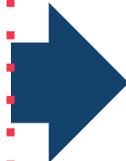
Read & Reflect

20+ MIN

Creative Challenge

5+ MIN

GWC Stand Up



IF YOU HAVE 45 MINUTES...

- 1. Build Sisterhood (5 minutes)**
 - Make time for a quick activity that breaks the ice at the beginning of a meeting. Take a peek at the [Sisterhood Activity](#) Section for ideas.
- 2. Read & Reflect (15 minutes)**
 - Read a suggested passage from the book, and discuss the related questions. Check out our [Discussion Tips](#) to guide you.
- 3. GWC Challenge (20 minutes)**
 - Complete one of the suggested activities that connects to the passage you read. Challenge your girls to be brave, bold, and creative! If you're trying an online challenge or using HQ with your students, read the [Logistics](#) section for more information.
- 4. Close-Out (5 minutes)**

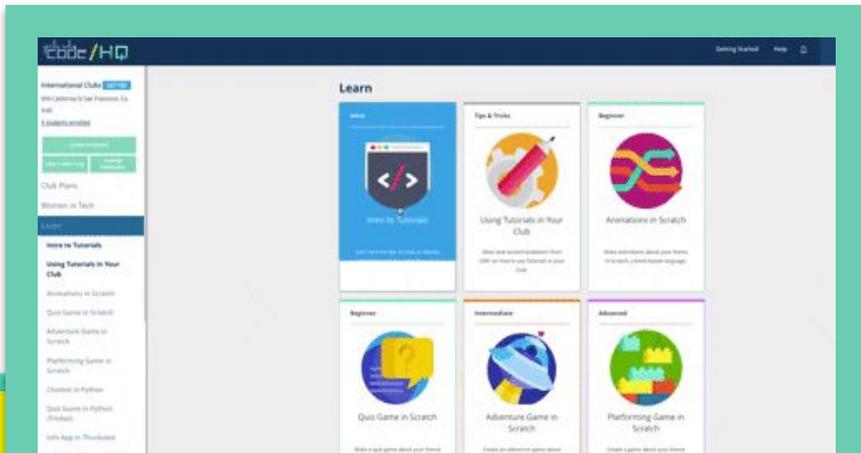
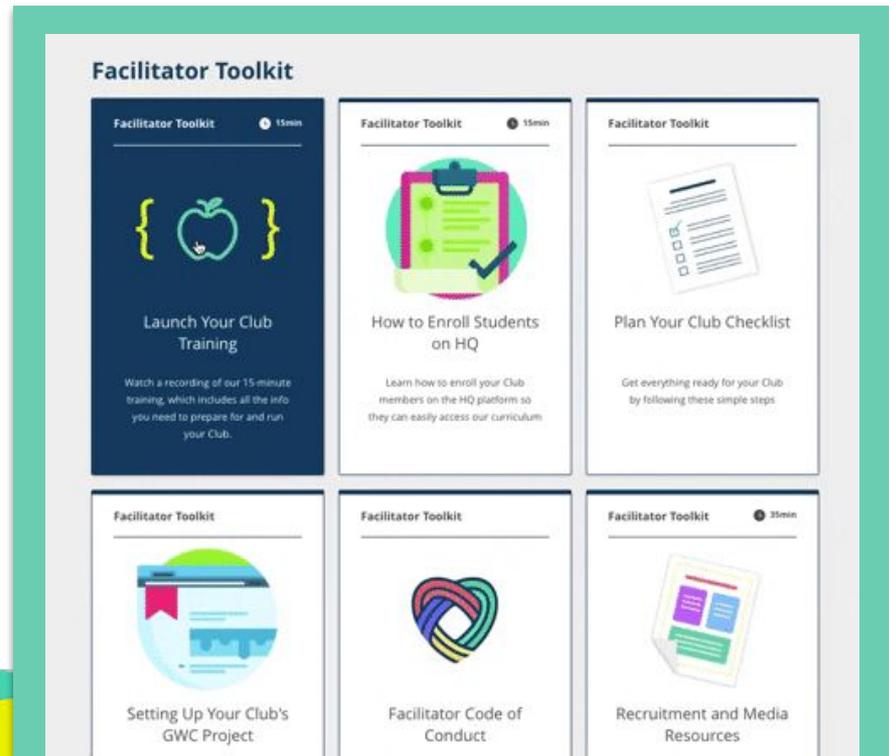
IF YOU HAVE AN HOUR OR MORE...

- 1. Build Sisterhood (10 minutes)**
 - Make time for a quick activity that breaks the ice at the beginning of a meeting. Take a peek at the [Sisterhood Activity](#) Section for ideas.
- 2. Read & Reflect (15+ minutes)**
 - Read a suggested passage from the book, and discuss the related questions. Check out our [Discussion Tips](#) to guide you.
 - If time allows, consider reading another passage together!
- 3. GWC Challenge (20+ minutes)**
 - Complete one of the suggested activities that connects to the passage you read. Challenge your girls to be brave, bold, and creative! If you're trying an online challenge or using HQ with your students, read the [Logistics](#) section for more information.
- 4. Close-Out (5 Minutes)**

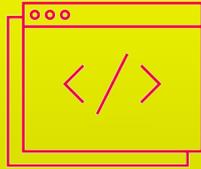
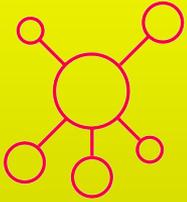
GIRLS WHO CODE HQ RESOURCES

Girls Who Code HQ is our online learning management platform for all things Girls Who Code. This user-friendly platform is packed with customizable resources for you to access at your fingertips!

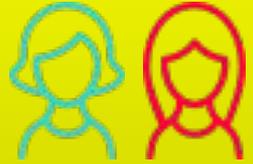
More resources are added on a rolling basis!



What You Need



OR



SPACE

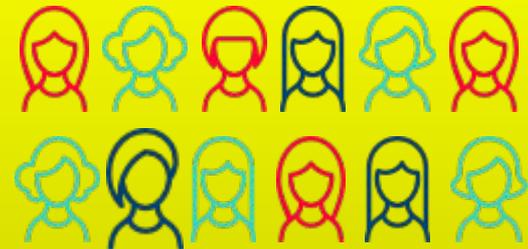
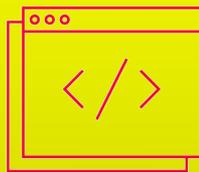
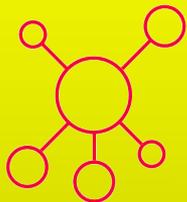
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**TECHNOLOGY (6-12)
OR
BOOK PASSAGES (3-5)**

+

**FACILITATOR
&
DECISION MAKER**

What GWC Provides



LOGISTICS SUPPORT



CS SKILLS



COMMUNITY

- Customizable **Club Plans**
- **Student Recruitment** Resources
- **Clubs Fund**, mini-grant \$\$ (for books, supplies, snacks, robots, field trips, and more!)

- Custom Online **Training**
- Girls Who Code **HQ Platform**
- **120+ hrs of Curriculum** (6-12)
- **Chapter Guides** & Scratch Tutorials (3-5)
- Extended CS **PD Resources**

- **Sisterhood Activities**
- **Clubs Success Specialist**
- In-person and virtual **events**, when available
- **Alumni programming** and networking



Meet Bethany, GWC Facilitator

3 REASONS WHY SHE WAS HESITANT TO START A CLUB

No teaching experience

No formal CS experience

Nervous if the Club would be received well or highly attended

3 REASONS WHY SHE WAS GLAD SHE DID

"It was totally **well-received** because in just 3 weeks after we started the Club, we grew from 2 members to 25."

"The curriculum that GWC provides.. **sets you up with literally everything you need**.. I didn't have to worry about curriculum, and I could **focus on building relationships with the girls** and helping to develop their skills."

"There is no perfect time to do something - **just take a leap, be brave, and try it!**"

3 THINGS HER CLUB GIRLS LEARNED

"Coding is more accessible to learn than it seems"

"The payoff of struggling and persevering is really worth it."

"Working together always builds stronger results."



Our Impact

The National Pipeline



6,500+

2018-19 CLUBS

185,000

GIRLS SERVED TO DATE

50%

are from historically underrepresented groups.

Majoring in CS-related fields:

15-16X
the national rate.



In Partnership with Idaho Commission for Libraries

Girls Who Code partners with organizations to help launch multiple Clubs across the nation. We are proud to have partnered with the Idaho Commission for Libraries to bring computer science resources to Idaho!

Some of our other partners include:



Idaho Commission for Libraries affiliated Clubs receive the following benefits:

- Additional **\$100 Clubs Fund** through the Community Partner Fund benefit
- Additional layer of support from our **Idaho Commission for Libraries** rep and GWC
- Priority access to virtual events



What Next?

How to Get Started

5 min

Create an HQ account

15 min

Fill out the Clubs Application

5-10 days

Get your Approval Email

Prior to Launch

Review resources & meet your CSS

Ready?

Launch Your Club!

After this, you access the app!



It only takes 15 min!

**Complete the background check only if you are a Facilitator who is NOT employed by the host site*

Receive our Welcome Email with access to your Club Code for our curriculum! (i.e. HI123)

Log into [HQ](#) to access:

- Training webinar
- Recruitment flyers
- 120+ hr curricula
- And more!

You'll also get an email intro to your CSS!

Help your girls enroll on [HQ](#) to access the curriculum!

Clubs with 3+ enrolled students gives you access to Clubs Fund \$\$\$!

ACCESSING ICfL PARTNERSHIP BENEFITS!



Affiliate yourself with the Idaho Commission for Libraries to get access to partnership benefits & support when you apply at girlswhocode.com/clubsapply!

When you reach the below question on the last page of the Clubs Application, please list **"Idaho Commission for Libraries"** as your partner affiliation for the following question:

Is your Club affiliated with a Girls Who Code Community Partner (school districts, library systems, nonprofit organization, afterschool networks etc.)? Search for your affiliation here. If your Club is not affiliated, or your search returns no results, simply type "None". *

Note: this may take a second to load.

Acero Schools
Achievement First
After School Matters

Will



Girls Who Code Clubs in your Community

Meet Sherry Scheline, GWC Facilitator in Valley County, Idaho

DONNELLY PUBLIC LIBRARY DISTRICT

- 3-5 Grade GWC Club
- 6-12th Grade GWC Club





Questions?

Questions about the application, your background checks, or getting started?

Visit our **FAQ Page** at <https://girlswhocode.zendesk.com/hc/en-us> or email our **Customer Care Team** at clubs@girlswhocode.com!



Questions about launching multiple Clubs in Idaho?

Contact Emily Ong as the Girls Who Code representative for Clubs expansion in Idaho!

Emily Ong

Senior Community Partnerships Manager,
Community Partnerships & Outreach

emily.ong@girlswhocode.com





Thank you for joining!

Have questions?

Valerie Tomici at valerie@girlswhocode.com

Emily Ong at emily.ong@girlswhocode.com